

WHAT WE CLAIM IS;

1. A solar cell module comprising

a light transmitting member on a front surface side containing at least
5 sodium, a rear surface resin film, a plurality of solar cell elements sealed with
sealing resin between the light transmitting member on the front surface side and
the rear surface resin film, and a water transmission preventing layer arranged in
a position including at least an interval part between the solar cell elements
adjacent each other.

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2. The solar cell module according to claim 1 wherein,

the light transmitting member on the front surface side is glass and the rear
surface resin film is a transparent resin film.

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3. The solar cell module according to claim 1, wherein

the water transmission preventing layer has a smaller water vapor
transmission rate than that of the sealing resin.

4. The solar cell module according to claim 1, wherein

20 the water transmission preventing layer is an inorganic oxide layer, a nitride
layer, or a fluoride layer formed on a surface of the rear surface resin film.

5. The solar cell module according to claim 1, wherein

25 the water transmission preventing layer is a thin plate glass bonded on a
surface of the rear surface resin film.

6. The solar cell module according to claim 1, wherein
the water transmission preventing layer is formed on a plane with the solar
cell elements.

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7. The solar cell module according to claim 1, wherein
the water transmission preventing layer is formed so as to cover the interval
part between the solar cell elements in the sealing resin.

10 8. The solar cell module according to claim 1, wherein
the water transmission preventing layer is provided in a position
corresponding to a position between the solar cell elements on an outer side of
the rear surface resin film.

15 9. The solar cell module according to claim 1, wherein
the water transmission preventing layer is the rear surface resin film with the
water vapor transmission rate not higher than 6.3g/m²·day.